**Supplier of renewable energy system to ONGC**

5081. SHRI DEVI PRASAD SINGH: Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:

(a) whether it is a fact that renewable energy products are being used by Oil and Natural Gas Commission (ONGC);

(b) if so, what are the names of the suppliers of these products and how has been their performance and the measures Government is taking to upgrade renewable energy systems at ONGC platforms;

(c) what criteria will be adopted in future for short-listing suppliers/ manufacturers for upgrading/renovating renewable energy system to ONGC; and

(d) what is the total budget to use renewable energy sources to supply power to the offshore platforms of ONGC?

THE MINISTER OF STATE IN THE MINISTRY OF PETROLEUM AND NATURAL GAS (SHRI SANTOSH GANG WAR): (a) Yes, Sir. Battery back-up type Solar Photovoltaic Systems are installed on western offshore well platforms of Oil and Natural Gas Corporation Ltd. (ONGC).

(b) and (c) The suggested vendor list specified in the bid package, for Solar Photovoltaic Systems is as under:

(i) Tata BP Solar, India

(ii) BHEL, India

(iii)Tideland,USA

(iv) API, USA

(v) Central Electronics Ltd., India.

The mode of purchase and the criteria presently adopted, details given in the Statement, will also be followed in future (See below).

(d) No separate budget is kept because such systems are procured as a part of turnkey contracts for Off-shore well platform construction.

***Statement***

*Mode of purchase of State Photovoltaic Systems and criteria presently adopted*

1. Solar Photovoltaic Systems in the range of 350 W with battery back up type are installed on ONGC Western Offshore well platforms at the construction stage for supplying electric power for telemetry, gas detection system, Navigational aids and Lighting application.

2. In off-shore works turnkey contracts, ONGC is not directly procuring solar photovoltaic system, since the contracts are awarded on ICB tenders/on nomination basis and on lump-sum turnkey basis. The successful bidder chooses the vendor for Solar Photovoltaic System from ONGC suggested vendor list provided in the bid package. Suggested Vendor list is prepared by ONGC/Technical consultant (ElL/in house consultant) taking into consideration the track record and performance etc. If the contractor has to select a vendor other than ONGC approved vendor, he is required to submit pre-qualification documents of the proposed vendor with details of product specifications, vendor capabilities and offshore track record etc. The pre- qualification documents are reviewed by ONGC/ Technical consultant (EIL/in house consultant) for acceptance or rejection.

3. The following broad criteria are being followed for preparing the Vendor's list:—

(a) Suppliers/vendors must have supplied similar systems for use in the offshore oil industry.

(b) The proposed system shall have been in continuous satisfactory service on offshore for a minimum period of 2 years.

(c) They should carry current certification by approved agencies for their equipment.

(d) The equipment shall have been type tested by a certifying agency.

**Adventure tourism in A.P.**

5082. DR. DASARINARAYANA RAO: Will the Minister of TOURISM AND CULTURE be pleased to state:

(a) whether adventure tourism has been introduced in Andhra Pradesh;

(b) if so, the details thereof;

(c) if answer to part (a) above be in the negative whether Government propose to introduce adventure tourism in the State; and

(d) if not, the reasons therefor"?

THE MINISTER OFTOURISM AND CULTURE (SHRIJAGMOHAN): (a) Yes, Sir.